Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Modified Estimate For Repairs culverts and Drains in Ward no. 13, in SSD

Est .Cost Rs. 10.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2015-16								
	Shanimahathma Temple Opp	Cum	2	100.00	1.00	0.90	180.00		
	Pipeline		1	10.50	3.50	2.75	101.06		
	Cross		2	90.00	0.45	0.45	36.45		
	Cross		2	85.00	0.45	0.45	34.43		
							351.94	144.33	**50795.00**
2	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3/ PWD SR 2015-16								
	For Culvert- Near Shanimahathma Temple	Cum	1	11.20	2.00	1.20	26.88		
	2nd Cross Kalyanagara		1	6.10	2.00	1.20	14.64		
	Pipeline, Santhosh Nagara Near 2nd Cross		1	10.10	4.50	2.00	90.90		
	for SSM Wall Pipeline near Ramesh road		1	30.00	2.00	1.20	72.00		
	Shivananda Stors		1	5.50	2.00	1.00	11.00		
	Ramesh Road drain		1	8.00	1.50	1.50	18.00		
							233.42	173.59	**40519.00**
3	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 kgs, using 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregate @ 0.465cum machine mixed, concrete laid in layers not exceeding 15cms. Thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2, Page No. 12/ Item No. 4.2/ PWD SR 2015-16								
			1	11.20	2.00	0.15	3.36		
			1	6.10	2.00	0.15	1.83		
			1	10.00	4.50	0.15	6.75		
			1	30.00	1.00	0.15	4.50		
			1	5.50	2.00	0.15	1.65		
			1	8.00	1.50	0.15	1.80		
							19.89	4728.47	**94049.00**

4	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16								
		Cum	2	11.20	0.75	0.40	6.72		
			2	11.20	0.60	0.80	10.75		
			2	6.10	0.60	0.80	5.86		
			2	10.10	1.20	0.40	9.70		
			2	10.10	0.90	0.40	7.27		
			2	10.10	0.75	0.50	7.58		
			2	10.10	0.60	0.40	4.85		
			1	7.50	0.75	0.60	3.38		
			1	7.50	0.60	0.80	3.60		
			1	28.00	0.75	0.40	8.40		
			1	28.00	0.60	0.40	6.72		
			2	5.50	0.60	0.70	4.62		
			1	8.00	0.75	0.50	3.00		
			1	8.00	0.60	1.00	4.80		
							87.23	4429.36	**386391.00**
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs, with 20 mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase lintels retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.6. Page No. 13/ Item No. 4.11/ PWD SR 2015-16								
	For Culvert Coping vent - Near Shanimahathma Temple	1	3	11.20	0.60	0.10	2.02		
		1	2	6.10	0.60	0.10	0.73		
		1	2	10.10	0.60	0.10	1.21		
		1	1	10.10	0.60	0.15	0.91		
		1	1	27.80	0.60	0.10	1.67		
		1	2	5.50	0.60	0.10	0.66		
		1	1	8.00	0.60	0.10	0.48		
	For Culvert Approch	1	1	11.20	0.60	0.15	1.01		
		1	2	6.10	0.60	0.15	1.10		
		1	2	6.85	0.60	0.15	1.23		
							11.02		
	Deck	1	1	6.85	4.30	0.25	7.36		
		1	1	5.50	2.00	0.25	2.75		
	Missed Slabs	1	20	0.60	1.80	0.23	4.97		
							15.08		
							26.10	5596.67	**146060.00**

6	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. for TMT Bars Fe 415 Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16								
		Qtls		15.08	X	65 kgs	9.80		
							0.98	63030.05	**61789.00**
7	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
		Sqm	93	0.60	0.90		50.22		
			16	0.60	1.20		11.52		
	Data rate for precast slab of 100MM thick	**1600.00**					**61.74**	1472.00	**90881.00**
8	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 3 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.133, I.no.17.1, PWD SR 2015-16)								
	Qty Vide Item No=1+2	Cum					**585.36**		
	Qty Limited to						**585.36**	69.35	**40595.00**
	EIRL								
1	KSRB 2.8 : Providing and Filling in foundation with granite/ trap broken metaM 00mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift, complete as per specifications, Specification No. KBS : 2.8, Page No.74/ Item No.2.15/ PWD SR 2015-16								
	For Culvert- Near Shanimahathma Temple	Cum	1	11.20	2.00	0.30	6.72		
	Pipeline, Santhosh Nagara Near 2nd Cross		1	10.10	4.50	0.30	13.64		
							20.36	2174.04	**44253.00**
	Basic Rate	2013.00							
	Area Weightage @ 8%	161.04							
	Total	**2174.04**							
2	Removing and resetting of kerb stonescomplete as per specifications, Specification Page No.258 Item No.37.57/ PWD SR 2015-16								
	Pipeline, Santhosh Nagara Selection Corner to Ramesh Road	Rm	1	280.00			280.00		
							280.00	63.72	**17842.00**
	Basic Rate	59.00							
	Area Weightage @8%	4.72							
	Total	**63.72**							

3	KSRB 15.1.1 Providing flush pointing to square rubble, course or ncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. KBS 15.1.1 Page No.197/ Item No.15.1/ PWD SR 2015-16								
		Sqm	2	11.20		1.00	22.40		
			2	6.10		0.80	9.76		
			2	10.10		1.50	30.30		
			2	7.50		0.80	12.00		
			2	28.00		0.80	44.80		
			2	5.50		0.70	7.70		
			2	8.00		1.50	24.00		
							150.96	99.36	**14999.00**
	Basic Rate	92.00							
	Area Weightage @ 8%	7.36							
	Total	**99.36**							
12	Qc Charge 1%								10000.00
13	Miscellaneous and unforseen Charges								**1827.00**
								TOTAL	**1000000.00**
	(Rupees Ten Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2015-16
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ಸಂ. EE/DD/TS/11/2015-16 ದಿನಾಂಕ: 04.1.16
ರೂ. Rs. 10.00 Lakhs (Ten Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
P. No. 02
SL. No. 11
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು